

Name: _____

Date: _____

Algebra 1A Pd: _____

Weekend Word Problem #16: Inequalities and Construction II

The Situation: DeJah wants a rectangular vegetable garden with a perimeter of at least forty-two feet.

1. DeJah decides the length of the vegetable garden will be three feet longer than the width. Let w = width and write an expression for the length in terms of the width.

2. Write an inequality for the perimeter of the vegetable garden. (Perimeter = add all of the sides)

3. Solve your inequality for the width of the vegetable garden.

4. What are the minimum length and width for the vegetable garden?